



Course Programme

Day 1: Automated synthesis

Introduction

- o Why automate your synthesis?
- o Future perspectives

Atlas HD & syringe pump

- o System overview
- o Explore the automation Capabilities

Automated Synthesis of N-benzylbenzamide

- o Reaction setup
- o Work-up

Q&A



Day 2: Automated purification

Basic principles

- o Sample loading, Column media, Detection options

Method selection & Guidelines

- o Flash VS Prep VS Prep SFC
- o Do's and don'ts
- o Tools to make your life easier

Purification of N-benzylbenzamide

- o Automated flash & preparative chromatography

Q&A



Information

-  Date:
-  Place: **BRS BV**, Bergensesteenweg 79,
1651 Beersel, Belgium
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Course Description

This two-day training module provides valuable insights into the automation of both chemical synthesis and chromatographic purification.

Day 1 focuses on automated chemical synthesis, showcasing how the Atlas HD Automated Reactor System and Atlas Syringe Pump can be seamlessly controlled via a single software interface. Participants will learn how automation improves reproducibility, efficiency, and safety while gaining practical insight into setting up and monitoring automated reactions.

Day 2 provides comprehensive training in flash, preparative, and supercritical fluid chromatography (SFC). The morning session covers key chromatography principles, including sample loading, column selection, and practical guidelines to optimize your purification processes. In the afternoon, participants will gain hands-on experience using the CombiFlash® NextGen 300+ and ACCQPrep HPI50 systems for automated purification.

Target Audience

This course is ideal for researchers, chemists, and laboratory professionals looking to enhance their expertise in automation and chromatographic techniques through a combination of theory and practical experience.